ELSEVIER

www.elsevier.nl/locate/jorganchem

Journal of Organometallic Chemistry 606 (2000) 212

Journal of Organometallic Chemistry

Author Index of Volume 606

Aitola, E., 112
Albano, V.G., 163
Amir-Ebrahimi, V., 84

Bassindale, A.R., 125
Bhaduri, S., 151
Borbaruah, M., 125
Borowski, S., 108
Bossek, U., 132
Boys, D., 197
Bunz, U.H.F., 13
Busetto, L., 163

Carmona, D., 197
Chadha, R.K., 176
Chicote, F.O., 176
Contreras, R., 197

Delaude, L., 55
Demonceau, A., 55
Djakovitch, L., 101
Dötz, K.H., 26
Dyker, G., 108

Eisenträger, F., 88

Fandos, R., 156
Ferrer, J., 197
Fischer, R.A., 132
Fölsing, H., 132
Frenzel, U., 8
Fürstner, A., 75

Ghose, S., 176
Gillespie, K.M., 141
Glynn, S.J., 125
Gross, J.H., 88

Hafner, A., 65
Hamilton, J.G., 8, 37, 84
Hansen, S.M., 88
Harding, C.J., 84
Heiermann, J., 108
Henkel, G., 108
Hernández, C., 156
Herrmann, W.A., 8
Herzig, C., 3
Hofmann, P., 88
Hossain, M.M., 176
Hupfer, H., 26
Hutton, A.T., 188
Hyde, J., 188

Iiskola, E.I., 169
Inoue, S., 147
Ivin, K.J., 37

Jafarpour, L., 49
Jan, D., 55
Juvaste, H., 169

Karlou-Eyrisch, K., 3
Katayama, H., 16
Kenwright, A.M., 37
Khosravi, E., 37
Kirner, H.-J., 65
Kivekäs, R., 183
Klinga, M., 112
Kloppenburg, L., 13
Köckerling, M., 108
Köhler, K., 101
Kohl, F.J., 8
Kolly, R., 65
Körning, J., 108
Kunkely, H., 207

Lahiri, G.K., 151
Laine, T.V., 112
Lamata, M.P., 197
Lappalainen, K., 112
Leskelä, M., 112
Loukova, G.V., 203

Mathur, P., 176
Merz, K., 132
Michaut, M., 93
Mirkin, C.A., 79
Monari, M., 163
Morton, C., 141
Mühlebach, A., 65
Müller, B.K.M., 3
Munshi, P., 151

Nakatani, H., 147
Nelson, J., 84
Nguyen, S.B.T., 79
Nieger, M., 26
Noels, A.F., 55
Nolan, S.P., 49
Nuyken, O., 3, 8

Opwis, K., 108
Orellana, E.M., 197
Oro, L.A., 197
Otero, A., 156

Ozawa, F., 16

Paavola, S., 183
Pakkanen, T.T., 169
Parker, D.J., 125
Parrain, J.-L., 93
Pathak, D.D., 188
Payra, P., 176
Piironen, U., 112

Rime, F., 65
Rodríguez, A., 156
Rooney, A.D., 84
Rooney, J.J., 8, 84
Ruiz, M.J., 156

Sanders, C.J., 141
Santelli, M., 93
Satyanarayana, C.V.V., 176
Scott, P., 141
Segnitz, O., 132
Seidel, G., 75
Simal, F., 55
Souma, Y., 147
Stengel, K., 88
Stevens, E.D., 49
Strelets, V.V., 203
Sültemeyer, J., 26

Taylor, P.G., 125
Teixidor, F., 183
Terreros, P., 156

Urushima, H., 16

Valderrama, M., 197
van der Schaaf, P.A., 65
Viñas, C., 183
Vogler, A., 207
Volland, M.A.O., 88

Walkden, A., 188
Watson, K.J., 79
Weskamp, T., 8
White, C., 188
Winter, M., 132

Xu, Q., 147

Zanotti, V., 163

PII: S0022-328X(00)00445-9

ELSEVIER

www.elsevier.nl/locate/jorganchem

Journal of Organometallic Chemistry 606 (2000) 212

Journal of Organometallic Chemistry

Author Index of Volume 606

Aitola, E., 112
Albano, V.G., 163
Amir-Ebrahimi, V., 84

Bassindale, A.R., 125
Bhaduri, S., 151
Borbaruah, M., 125
Borowski, S., 108
Bossek, U., 132
Boys, D., 197
Bunz, U.H.F., 13
Busetto, L., 163

Carmona, D., 197
Chadha, R.K., 176
Chicote, F.O., 176
Contreras, R., 197

Delaude, L., 55
Demonceau, A., 55
Djakovitch, L., 101
Dötz, K.H., 26
Dyker, G., 108

Eisenträger, F., 88

Fandos, R., 156
Ferrer, J., 197
Fischer, R.A., 132
Fölsing, H., 132
Frenzel, U., 8
Fürstner, A., 75

Ghose, S., 176
Gillespie, K.M., 141
Glynn, S.J., 125
Gross, J.H., 88

Hafner, A., 65
Hamilton, J.G., 8, 37, 84
Hansen, S.M., 88
Harding, C.J., 84
Heiermann, J., 108
Henkel, G., 108
Hernández, C., 156
Herrmann, W.A., 8
Herzig, C., 3
Hofmann, P., 88
Hossain, M.M., 176
Hupfer, H., 26
Hutton, A.T., 188
Hyde, J., 188

Iiskola, E.I., 169
Inoue, S., 147
Ivin, K.J., 37

Jafarpour, L., 49
Jan, D., 55
Juvaste, H., 169

Karlou-Eyrisch, K., 3
Katayama, H., 16
Kenwright, A.M., 37
Khosravi, E., 37
Kirner, H.-J., 65
Kivekäs, R., 183
Klinga, M., 112
Kloppenburg, L., 13
Köckerling, M., 108
Köhler, K., 101
Kohl, F.J., 8
Kolly, R., 65
Körning, J., 108
Kunkely, H., 207

Lahiri, G.K., 151
Laine, T.V., 112
Lamata, M.P., 197
Lappalainen, K., 112
Leskelä, M., 112
Loukova, G.V., 203

Mathur, P., 176
Merz, K., 132
Michaut, M., 93
Mirkin, C.A., 79
Monari, M., 163
Morton, C., 141
Mühlebach, A., 65
Müller, B.K.M., 3
Munshi, P., 151

Nakatani, H., 147
Nelson, J., 84
Nguyen, S.B.T., 79
Nieger, M., 26
Noels, A.F., 55
Nolan, S.P., 49
Nuyken, O., 3, 8

Opwis, K., 108
Orellana, E.M., 197
Oro, L.A., 197
Otero, A., 156

Ozawa, F., 16

Paavola, S., 183
Pakkanen, T.T., 169
Parker, D.J., 125
Parrain, J.-L., 93
Pathak, D.D., 188
Payra, P., 176
Piironen, U., 112

Rime, F., 65
Rodríguez, A., 156
Rooney, A.D., 84
Rooney, J.J., 8, 84
Ruiz, M.J., 156

Sanders, C.J., 141
Santelli, M., 93
Satyanarayana, C.V.V., 176
Scott, P., 141
Segnitz, O., 132
Seidel, G., 75
Simal, F., 55
Souma, Y., 147
Stengel, K., 88
Stevens, E.D., 49
Strelets, V.V., 203
Sültemeyer, J., 26

Taylor, P.G., 125
Teixidor, F., 183
Terreros, P., 156

Urushima, H., 16

Valderrama, M., 197
van der Schaaf, P.A., 65
Viñas, C., 183
Vogler, A., 207
Volland, M.A.O., 88

Walkden, A., 188
Watson, K.J., 79
Weskamp, T., 8
White, C., 188
Winter, M., 132

Xu, Q., 147

Zanotti, V., 163

PII: S0022-328X(00)00445-9

ELSEVIER

www.elsevier.nl/locate/jorganchem

Journal of Organometallic Chemistry 606 (2000) 213–217

Journal of Organometallic Chemistry

Subject Index of Volume 606

Acetonitrile
Reactions of acetonitrile di-iron μ-aminocarbyne complexes; synthesis and structure of $[Fe_2(\mu\text{-}CNMe_2)(\mu\text{-}H)(CO)_2(Cp)_2]$, 163

Acyclic diyne metathesis
Alkyne metathesis with in situ catalysts: $W(CO)_6$ and 4-chlorophenol are efficient in the formation of poly(*para*-phenyleneethynylene)s, 13

Alkoxide
Synthesis and characterisation of Group 4 metallocene alkoxide complexes. X-ray crystal structure of $Cp^*_2ZrCl(OCH_2CH_2SPh)$, 156

Alkyl
Complexes of zirconium with aryl substituted triamidoamines: molecular structures of amide and alkyl derivatives, 141

Alkylidynes
Ring closing alkyne metathesis: stereoselective synthesis of civetone, 75

Alkyne metathesis
Alkyne metathesis with in situ catalysts: $W(CO)_6$ and 4-chlorophenol are efficient in the formation of poly(*para*-phenyleneethynylene)s, 13

Alkynes
Ring closing alkyne metathesis: stereoselective synthesis of civetone, 75

Allylation/alkylation-RCM
Efficient synthesis of spirolactones from cyclic anhydrides via an allylation/alkylation-RCM sequence, 93

Aluminium
Synthesis and structure of adduct stabilized Group III transition metal carbonyl complexes: new examples for Fe–Ga, Fe–In, W–Al, Cr–Al and Cr–Ga bonds, 132

Amide
Complexes of zirconium with aryl substituted triamidoamines: molecular structures of amide and alkyl derivatives, 141
Preparation and characterization of immobilized constrained-geometry hafnium complexes, 169

Arylation
First intermolecular palladium catalyzed arylation of an unfunctionalized aromatic hydrocarbon, 108

Aryl halides
First heterogeneously palladium catalysed α-arylation of diethyl malonate, 101

Azametallatrane
Complexes of zirconium with aryl substituted triamidoamines: molecular structures of amide and alkyl derivatives, 141

Azulene
First intermolecular palladium catalyzed arylation of an unfunctionalized aromatic hydrocarbon, 108

Basic organometallics
Radical anion forming activity of the Grubbs' catalyst and related organometallics: Michael acceptors as metathesis promoters, 84

Carbene
Synthesis and evaluation of new $RuCl_2(p\text{-cymene})(ER_2R')$ and $(\eta^1{:}\eta^6\text{-phosphinoarene})RuCl_2$ complexes as ring-opening metathesis polymerization catalysts, 55

Carbene complexes
Isolation and characterization of a monomeric, solvent coordinated ruthenium(II)carbene cation relevant to olefin metathesis, 88
Reactions of complex ligands: Part 91. Application of ring closing metathesis to Fischer-type carbene complexes: synthesis and structure of medium-sized chromium oxacycloalkenylidenes, 26

Carbenes
Synthesis and reactivity of novel ruthenium carbene catalysts. X-ray structures of $[RuCl_2(=CHSC_6H_5)(P^iPr_3)_2]$ and $[RuCl_2(CHCH_2CH_2\text{-}C,N\text{-}2\text{-}C_5H_4N)(P^iPr_3)]$, 65

Carbonyl derivatives
First heterogeneously palladium catalysed α-arylation of diethyl malonate, 101

Carboranes
Revising the $[PdCl_2(1,2\text{-}(PPh_2)_2\text{-}1,2\text{-}C_2B_{10}H_{10})]$ synthesis and comparison of its behavior with $[PdCl_2(1,2\text{-}(P^iPr_2)_2\text{-}1,2\text{-}C_2B_{10}H_{10})]$. Crystal structure of $[PdCl_2(1,2\text{-}(PPh_2)_2\text{-}1,2\text{-}C_2B_{10}H_{10})]$, 183

Carbyne complexes
Reactions of acetonitrile di-iron μ-aminocarbyne complexes; synthesis and structure of $[Fe_2(\mu\text{-}CNMe_2)(\mu\text{-}H)(CO)_2(Cp)_2]$, 163

Catalysis
Pyridinylimine-based nickel(II) and palladium(II) complexes: preparation, structural characterization and use as alkene polymerization catalysts, 112

Catalyst
Hydrogenation of α-acetamidocinnamic acid with polystyrene-supported rhodium catalysts, 151
Synthesis and reactivity of novel ruthenium carbene catalysts. X-ray structures of $[RuCl_2(=CHSC_6H_5)(P^iPr_3)_2]$ and $[RuCl_2(CHCH_2CH_2\text{-}C,N\text{-}2\text{-}C_5H_4N)(P^iPr_3)]$, 65

Chalcogens
Synthesis and characterisation of $[Fe_2M_3(\mu_4\text{-}E)(\mu_3\text{-}E')(CO)_{17}]$ and $[Os_3(\mu_3\text{-}E)(\mu_3\text{-}E')(CO)_9]$ (M = Os or Ru; E = S, Se, Te; E′ = Se, Te), 176

Charge transfer
Photoreactivity of the triphenylphosphine adduct of methyl(trioxo)rhenium(VII) induced by ligand-to-metal charge transfer excitation, 207

Chiral
Chiral sandwich compounds of ruthenium(II) and (IV): X-ray crystal structure of $[Ru\{\eta^5\text{-}C_5H_4(neomenthyl)\}_2I]I_3$, 188

Cluster
Revising the $[PdCl_2(1,2\text{-}(PPh_2)_2\text{-}1,2\text{-}C_2B_{10}H_{10})]$ synthesis and comparison of its behavior with $[PdCl_2(1,2\text{-}(P^iPr_2)_2\text{-}1,2\text{-}C_2B_{10}H_{10})]$. Crystal structure of $[PdCl_2(1,2\text{-}(PPh_2)_2\text{-}1,2\text{-}C_2B_{10}H_{10})]$, 183

PII: S0022-328X(00)00446-0

Clusters
Synthesis and characterisation of $[Fe_2M_3(\mu_4\text{-}E)(\mu_3\text{-}E')(CO)_{17}]$ and $[Os_3(\mu_3\text{-}E)(\mu_3\text{-}E')(CO)_9]$ (M = Os or Ru; E = S, Se, Te; E′ = Se, Te), 176
Cobalt carbonyl cluster
Formation of $M(CO)_4^+$ (M = Co, Rh) by dissolution of neutral Co and Rh carbonyl clusters in strong acids under CO atmosphere, 147
Cobalt tetracarbonyl cation
Formation of $M(CO)_4^+$ (M = Co, Rh) by dissolution of neutral Co and Rh carbonyl clusters in strong acids under CO atmosphere, 147
Conjugated polymers
Alkyne metathesis with in situ catalysts: $W(CO)_6$ and 4-chlorophenol are efficient in the formation of poly(*para*-phenyleneethynylene)s, 13
Constrained-geometry
Preparation and characterization of immobilized constrained-geometry hafnium complexes, 169
Correlations
Electrochemical versus optical insight in frontier orbitals of Ti(IV), Zr(IV), and Hf(IV) bent metallocenes, 203
Cross-linking
Ring-opening metathesis polymerization of 7-methylbicyclo[2.2.1]hepta-2,5-diene initiated by well-defined molybdenum and ruthenium carbene complexes, 37
Cross-metathesis
Reactions of complex ligands: Part 91. Application of ring closing metathesis to Fischer-type carbene complexes: synthesis and structure of medium-sized chromium oxacycloalkenylidenes, 26
Crotonates
Reactions of complex ligands: Part 91. Application of ring closing metathesis to Fischer-type carbene complexes: synthesis and structure of medium-sized chromium oxacycloalkenylidenes, 26
Crystal structure
Reactions of acetonitrile di-iron μ-aminocarbyne complexes; synthesis and structure of $[Fe_2(\mu\text{-}CNMe_2)(\mu\text{-}H)(CO)_2(Cp)_2]$, 163
Crystal structures
Pyridinylimine-based nickel(II) and palladium(II) complexes: preparation, structural characterization and use as alkene polymerization catalysts, 112
Cyclic anhydrides
Efficient synthesis of spirolactones from cyclic anhydrides via an allylation/alkylation-RCM sequence, 93
Cyclic voltammetry
Electrochemical versus optical insight in frontier orbitals of Ti(IV), Zr(IV), and Hf(IV) bent metallocenes, 203
Cyclooctene
Synthesis and evaluation of new $RuCl_2(p\text{-cymene})(ER_2R')$ and $(\eta^1{:}\eta^6\text{-phosphinoarene})RuCl_2$ complexes as ring-opening metathesis polymerization catalysts, 55
Cyclopentadienyl
Preparation and characterization of immobilized constrained-geometry hafnium complexes, 169
Cyclopropanation
Synthesis and evaluation of new $RuCl_2(p\text{-cymene})(ER_2R')$ and $(\eta^1{:}\eta^6\text{-phosphinoarene})RuCl_2$ complexes as ring-opening metathesis polymerization catalysts, 55

Deboronation
Revising the $[PdCl_2(1,2\text{-}(PPh_2)_2\text{-}1,2\text{-}C_2B_{10}H_{10})]$ synthesis and comparison of its behavior with $[PdCl_2(1,2\text{-}(P^iPr_2)_2\text{-}1,2\text{-}C_2B_{10}H_{10})]$. Crystal structure of $[PdCl_2(1,2\text{-}(PPh_2)_2\text{-}1,2\text{-}C_2B_{10}H_{10})]$, 183
Density functional theory calculations
Isolation and characterization of a monomeric, solvent coordinated ruthenium(II)carbene cation relevant to olefin metathesis, 88
Dichloro
Modelling nucleophilic substitution at silicon using hypervalent silicon compounds based on di and tri halosilanes, 125
Dicyclopentadiene
Synthesis and reactivity of novel ruthenium carbene catalysts. X-ray structures of $[RuCl_2(=CHSC_6H_3)(P^iPr_3)_2]$ and $[RuCl_2(CHCH_2CH_2\text{-}C,N\text{-}2\text{-}C_5H_4N)(P^iPr_3)]$, 65
Dienes and monoenes
Radical anion forming activity of the Grubbs' catalyst and related organometallics: Michael acceptors as metathesis promoters, 84
Difluoro
Modelling nucleophilic substitution at silicon using hypervalent silicon compounds based on di and tri halosilanes, 125

Electrochemistry
Chiral sandwich compounds of ruthenium(II) and (IV): X-ray crystal structure of $[Ru\{\eta^5\text{-}C_5H_4(neomenthyl)\}_2I]I_3$, 188
Electronic spectra
Electrochemical versus optical insight in frontier orbitals of Ti(IV), Zr(IV), and Hf(IV) bent metallocenes, 203
Ethenolysis
Ethenolysis of silicon containing cycloolefins, 3
Ethylene
Pyridinylimine-based nickel(II) and palladium(II) complexes: preparation, structural characterization and use as alkene polymerization catalysts, 112

Ferrocene
The synthesis and ring-opening metathesis polymerization of an amphiphilic redox-active norbornene, 79
Frontier molecular orbitals
Electrochemical versus optical insight in frontier orbitals of Ti(IV), Zr(IV), and Hf(IV) bent metallocenes, 203

Gallium
Synthesis and structure of adduct stabilized Group III transition metal carbonyl complexes: new examples for Fe–Ga, Fe–In, W–Al, Cr–Al and Cr–Ga bonds, 132
Group III transition metal bonds
Synthesis and structure of adduct stabilized Group III transition metal carbonyl complexes: new examples for Fe–Ga, Fe–In, W–Al, Cr–Al and Cr–Ga bonds, 132
Grubbs' catalyst
Radical anion forming activity of the Grubbs' catalyst and related organometallics: Michael acceptors as metathesis promoters, 84

Hafnium
Preparation and characterization of immobilized constrained-geometry hafnium complexes, 169
Heterodinuclear complexes
Synthesis and characterization of heterodinuclear RuPt and IrPt complexes containing pyrazolate bridging ligands. Crystal structure of $[(\eta^5\text{-}C_5Me_5)Ir(\mu\text{-}pz)_3PtMe_3]$ (pz = pyrazolate), 197
Heterogeneous catalytic α-arylation
First heterogeneously palladium catalysed α-arylation of diethyl malonate, 101
Homogeneous catalysis
Synthesis and evaluation of new $RuCl_2(p\text{-cymene})(ER_2R')$ and $(\eta^1{:}\eta^6\text{-phosphinoarene})RuCl_2$ complexes as ring-opening metathesis polymerization catalysts, 55

Homogenous catalysis
Isolation and characterization of a monomeric, solvent coordinated ruthenium(II)carbene cation relevant to olefin metathesis, 88
Hydride
Reactions of acetonitrile di-iron μ-aminocarbyne complexes; synthesis and structure of $[Fe_2(\mu\text{-}CNMe_2)(\mu\text{-}H)(CO)_2(Cp)_2]$, 163
Hydrogenation
Ring-opening metathesis polymerization of 7-methylbicyclo[2.2.1]hepta-2,5-diene initiated by well-defined molybdenum and ruthenium carbene complexes, 37

Indium
Synthesis and structure of adduct stabilized Group III transition metal carbonyl complexes: new examples for Fe–Ga, Fe–In, W–Al, Cr–Al and Cr–Ga bonds, 132
Iridium
Synthesis and characterization of heterodinuclear RuPt and IrPt complexes containing pyrazolate bridging ligands. Crystal structure of $[(\eta^5\text{-}C_5Me_5)Ir(\mu\text{-}pz)_3PtMe_3]$ (pz = pyrazolate), 197
Iron
Synthesis and characterisation of $[Fe_2M_3(\mu_4\text{-}E)(\mu_3\text{-}E')(CO)_{17}]$ and $[Os_3(\mu_3\text{-}E)(\mu_3\text{-}E')(CO)_9]$ (M = Os or Ru; E = S, Se, Te; E′ = Se, Te), 176

Macrocycles
Ring closing alkyne metathesis: stereoselective synthesis of civetone, 75
Metallocene complexes
Electrochemical versus optical insight in frontier orbitals of Ti(IV), Zr(IV), and Hf(IV) bent metallocenes, 203
Metathesis
Isolation and characterization of a monomeric, solvent coordinated ruthenium(II)carbene cation relevant to olefin metathesis, 88
Ring closing alkyne metathesis: stereoselective synthesis of civetone, 75
Ring-opening metathesis polymerization of 7-methylbicyclo[2.2.1]hepta-2,5-diene initiated by well-defined molybdenum and ruthenium carbene complexes, 37
Synthesis and reactivity of novel ruthenium carbene catalysts. X-ray structures of $[RuCl_2(=CHSC_6H_5)(P^iPr_3)_2]$ and $[RuCl_2(CHCH_2CH_2\text{-}C,N\text{-}2\text{-}C_5H_4N)(P^iPr_3)]$, 65
The synthesis and ring-opening metathesis polymerization of an amphiphilic redox-active norbornene, 79
7-Methylbicyclo[2.2.1]hepta-2,5-diene
Ring-opening metathesis polymerization of 7-methylbicyclo[2.2.1]hepta-2,5-diene initiated by well-defined molybdenum and ruthenium carbene complexes, 37
7-Methylnorbornadiene
Ring-opening metathesis polymerization of 7-methylbicyclo[2.2.1]hepta-2,5-diene initiated by well-defined molybdenum and ruthenium carbene complexes, 37
Molecular weight control
Olefin-metathesis reactions using vinylideneruthenium(II) complexes as catalyst precursors, 16
Molybdenum
Ring closing alkyne metathesis: stereoselective synthesis of civetone, 75
Molybdenum carbene complexes
Ring-opening metathesis polymerization of 7-methylbicyclo[2.2.1]hepta-2,5-diene initiated by well-defined molybdenum and ruthenium carbene complexes, 37

N-Heterocyclic carbene
N-Heterocyclic carbenes (NHC) in olefin metathesis: influence of the NHC-ligands on polymer tacticity, 8

Nickel
Pyridinylimine-based nickel(II) and palladium(II) complexes: preparation, structural characterization and use as alkene polymerization catalysts, 112
Nitrogen ligand
Pyridinylimine-based nickel(II) and palladium(II) complexes: preparation, structural characterization and use as alkene polymerization catalysts, 112
NMR
Modelling nucleophilic substitution at silicon using hypervalent silicon compounds based on di and tri halosilanes, 125
Norbornene
Pyridinylimine-based nickel(II) and palladium(II) complexes: preparation, structural characterization and use as alkene polymerization catalysts, 112
The synthesis and ring-opening metathesis polymerization of an amphiphilic redox-active norbornene, 79
Nuclear magnetic resonance
Preparation and characterization of immobilized constrained-geometry hafnium complexes, 169
Nucleophilic carbene
A sterically demanding nucleophilic carbene: 1,3-bis(2,6-diisopropylphenyl)imidazol-2-ylidene). Thermochemistry and catalytic application in olefin metathesis, 49

Olefin metathesis
Ethenolysis of silicon containing cycloolefins, 3
Olefin-metathesis
N-Heterocyclic carbenes (NHC) in olefin metathesis: influence of the NHC-ligands on polymer tacticity, 8
Olefin metathesis
A sterically demanding nucleophilic carbene: 1,3-bis(2,6-diisopropylphenyl)imidazol-2-ylidene). Thermochemistry and catalytic application in olefin metathesis, 49
α,ω-Olefins
Ethenolysis of silicon containing cycloolefins, 3
Organic semiconductors
Alkyne metathesis with in situ catalysts: $W(CO)_6$ and 4-chlorophenol are efficient in the formation of poly(*para*-phenyleneethynylene)s, 13
Osmium
Synthesis and characterisation of $[Fe_2M_3(\mu_4\text{-}E)(\mu_3\text{-}E')(CO)_{17}]$ and $[Os_3(\mu_3\text{-}E)(\mu_3\text{-}E')(CO)_9]$ (M = Os or Ru; E = S, Se, Te; E′ = Se, Te), 176

Palladium
Pyridinylimine-based nickel(II) and palladium(II) complexes: preparation, structural characterization and use as alkene polymerization catalysts, 112
Revising the $[PdCl_2(1,2\text{-}(PPh_2)_2\text{-}1,2\text{-}C_2B_{10}H_{10})]$ synthesis and comparison of its behavior with $[PdCl_2(1,2\text{-}(P^iPr_2)_2\text{-}1,2\text{-}C_2B_{10}H_{10})]$. Crystal structure of $[PdCl_2(1,2\text{-}(PPh_2)_2\text{-}1,2\text{-}C_2B_{10}H_{10})]$, 183
Palladium catalysis
First intermolecular palladium catalyzed arylation of an unfunctionalized aromatic hydrocarbon, 108
p-Benzoquinones
Radical anion forming activity of the Grubbs' catalyst and related organometallics: Michael acceptors as metathesis promoters, 84
Pentacoordinate
Modelling nucleophilic substitution at silicon using hypervalent silicon compounds based on di and tri halosilanes, 125
Phosphines
Photoreactivity of the triphenylphosphine adduct of methyl(trioxo)rhenium(VII) induced by ligand-to-metal charge transfer excitation, 207

Photochemistry
Photoreactivity of the triphenylphosphine adduct of methyl(trioxo)rhenium(VII) induced by ligand-to-metal charge transfer excitation, 207
Platinum
Synthesis and characterization of heterodinuclear RuPt and IrPt complexes containing pyrazolate bridging ligands. Crystal structure of $[(\eta^5\text{-}C_5Me_5)Ir(\mu\text{-}pz)_3PtMe_3]$ (pz = pyrazolate), 197
Polymer
N-Heterocyclic carbenes (NHC) in olefin metathesis: influence of the NHC-ligands on polymer tacticity, 8
The synthesis and ring-opening metathesis polymerization of an amphiphilic redox-active norbornene, 79
Polymerization
Pyridinylimine-based nickel(II) and palladium(II) complexes: preparation, structural characterization and use as alkene polymerization catalysts, 112
Ring-opening metathesis polymerization of 7-methylbicyclo[2.2.1]hepta-2,5-diene initiated by well-defined molybdenum and ruthenium carbene complexes, 37
Poly(*para*-phenyleneethynylene)
Alkyne metathesis with in situ catalysts: $W(CO)_6$ and 4-chlorophenol are efficient in the formation of poly(*para*-phenyleneethynylene)s, 13
Polystyrene supported
Hydrogenation of α-acetamidocinnamic acid with polystyrene-supported rhodium catalysts, 151
Pyrazolate
Synthesis and characterization of heterodinuclear RuPt and IrPt complexes containing pyrazolate bridging ligands. Crystal structure of $[(\eta^5\text{-}C_5Me_5)Ir(\mu\text{-}pz)_3PtMe_3]$ (pz = pyrazolate), 197

Quaternary ammonium salt
The synthesis and ring-opening metathesis polymerization of an amphiphilic redox-active norbornene, 79

Radical anions
Radical anion forming activity of the Grubbs' catalyst and related organometallics: Michael acceptors as metathesis promoters, 84
Redox properties
Electrochemical versus optical insight in frontier orbitals of Ti(IV), Zr(IV), and Hf(IV) bent metallocenes, 203
Rhenium
Photoreactivity of the triphenylphosphine adduct of methyl(trioxo)rhenium(VII) induced by ligand-to-metal charge transfer excitation, 207
Rhodium
Hydrogenation of α-acetamidocinnamic acid with polystyrene-supported rhodium catalysts, 151
Rhodium carbonyl cluster
Formation of $M(CO)_4^+$ (M = Co, Rh) by dissolution of neutral Co and Rh carbonyl clusters in strong acids under CO atmosphere, 147
Rhodium tetracarbonyl cation
Formation of $M(CO)_4^+$ (M = Co, Rh) by dissolution of neutral Co and Rh carbonyl clusters in strong acids under CO atmosphere, 147
Ring closing metathesis
Reactions of complex ligands: Part 91. Application of ring closing metathesis to Fischer-type carbene complexes: synthesis and structure of medium-sized chromium oxacycloalkenylidenes, 26
Ring-closing metathesis (RCM)
Olefin-metathesis reactions using vinylideneruthenium(II) complexes as catalyst precursors, 16
Ring-opening
Ring-opening metathesis polymerization of 7-methylbicyclo[2.2.1]hepta-2,5-diene initiated by well-defined molybdenum and ruthenium carbene complexes, 37
Ring-opening metathesis
Ethenolysis of silicon containing cycloolefins, 3
Ring-opening metathesis polymerisation
Radical anion forming activity of the Grubbs' catalyst and related organometallics: Michael acceptors as metathesis promoters, 84
Ring-opening metathesis polymerization
Synthesis and evaluation of new $RuCl_2(p\text{-cymene})(ER_2R')$ and $(\eta^1{:}\eta^6\text{-phosphinoarene})RuCl_2$ complexes as ring-opening metathesis polymerization catalysts, 55
Ring-opening metathesis polymerization (ROMP)
Olefin-metathesis reactions using vinylideneruthenium(II) complexes as catalyst precursors, 16
ROMP
N-Heterocyclic carbenes (NHC) in olefin metathesis: influence of the NHC-ligands on polymer tacticity, 8
Synthesis and reactivity of novel ruthenium carbene catalysts. X-ray structures of $[RuCl_2(=CHSC_6H_5)(P^iPr_3)_2]$ and $[RuCl_2(CHCH_2CH_2\text{-}C,N\text{-}2\text{-}C_5H_4N)(P^iPr_3)]$, 65
Ruthenium
Ethenolysis of silicon containing cycloolefins, 3
Isolation and characterization of a monomeric, solvent coordinated ruthenium(II)carbene cation relevant to olefin metathesis, 88
N-Heterocyclic carbenes (NHC) in olefin metathesis: influence of the NHC-ligands on polymer tacticity, 8
Olefin-metathesis reactions using vinylideneruthenium(II) complexes as catalyst precursors, 16
Synthesis and characterisation of $[Fe_2M_3(\mu_4\text{-}E)(\mu_3\text{-}E')(CO)_{17}]$ and $[Os_3(\mu_3\text{-}E)(\mu_3\text{-}E')(CO)_9]$ (M = Os or Ru; E = S, Se, Te; E' = Se, Te), 176
Synthesis and characterization of heterodinuclear RuPt and IrPt complexes containing pyrazolate bridging ligands. Crystal structure of $[(\eta^5\text{-}C_5Me_5)Ir(\mu\text{-}pz)_3PtMe_3]$ (pz = pyrazolate), 197
Synthesis and evaluation of new $RuCl_2(p\text{-cymene})(ER_2R')$ and $(\eta^1{:}\eta^6\text{-phosphinoarene})RuCl_2$ complexes as ring-opening metathesis polymerization catalysts, 55
Synthesis and reactivity of novel ruthenium carbene catalysts. X-ray structures of $[RuCl_2(=CHSC_6H_5)(P^iPr_3)_2]$ and $[RuCl_2(CHCH_2CH_2\text{-}C,N\text{-}2\text{-}C_5H_4N)(P^iPr_3)]$, 65
Ruthenium carbene complex
Ring-opening metathesis polymerization of 7-methylbicyclo[2.2.1]hepta-2,5-diene initiated by well-defined molybdenum and ruthenium carbene complexes, 37
Ruthenocene
Chiral sandwich compounds of ruthenium(II) and (IV): X-ray crystal structure of $[Ru\{\eta^5\text{-}C_5H_4(neomenthyl)\}_2I]I_3$, 188

Silica
Preparation and characterization of immobilized constrained-geometry hafnium complexes, 169
Silicon
Modelling nucleophilic substitution at silicon using hypervalent silicon compounds based on di and tri halosilanes, 125
Spirolactones
Efficient synthesis of spirolactones from cyclic anhydrides via an allylation/alkylation-RCM sequence, 93

Strong acid
Formation of $M(CO)_4^+$ (M = Co, Rh) by dissolution of neutral Co and Rh carbonyl clusters in strong acids under CO atmosphere, 147
Superacid
Formation of $M(CO)_4^+$ (M = Co, Rh) by dissolution of neutral Co and Rh carbonyl clusters in strong acids under CO atmosphere, 147

Tacticity
N-Heterocyclic carbenes (NHC) in olefin metathesis: influence of the NHC-ligands on polymer tacticity, 8
Thermochemistry
A sterically demanding nucleophilic carbene: 1,3-bis(2,6-diisopropylphenyl)imidazol-2-ylidene). Thermochemistry and catalytic application in olefin metathesis, 49
Titanocene
Synthesis and characterisation of Group 4 metallocene alkoxide complexes. X-ray crystal structure of $Cp_2^*ZrCl(OCH_2CH_2SPh)$, 156
TREN
Complexes of zirconium with aryl substituted triamidoamines: molecular structures of amide and alkyl derivatives, 141
Tungsten
Ring closing alkyne metathesis: stereoselective synthesis of civetone, 75
Tungsten hexacarbonyl
Alkyne metathesis with in situ catalysts: $W(CO)_6$ and 4-chlorophenol are efficient in the formation of poly(*para*-phenyleneethynylene)s, 13

Vinylidene complexes
Olefin-metathesis reactions using vinylideneruthenium(II) complexes as catalyst precursors, 16

X-ray crystallography
Chiral sandwich compounds of ruthenium(II) and (IV): X-ray crystal structure of $[Ru\{\eta^5\text{-}C_5H_4(neomenthyl)\}_2I]I_3$, 188
X-ray single crystal structure
Synthesis and structure of adduct stabilized Group III transition metal carbonyl complexes: new examples for Fe–Ga, Fe–In, W–Al, Cr–Al and Cr–Ga bonds, 132
X-ray structure
Complexes of zirconium with aryl substituted triamidoamines: molecular structures of amide and alkyl derivatives, 141

Zeolite supported palladium
First heterogeneously palladium catalysed α-arylation of diethyl malonate, 101
Zirconium
Complexes of zirconium with aryl substituted triamidoamines: molecular structures of amide and alkyl derivatives, 141
Zirconocene
Synthesis and characterisation of Group 4 metallocene alkoxide complexes. X-ray crystal structure of $Cp_2^*ZrCl(OCH_2CH_2SPh)$, 156
Zirconocenes
Electrochemical versus optical insight in frontier orbitals of Ti(IV), Zr(IV), and Hf(IV) bent metallocenes, 203